TAS – Thinleaf Alder Shrubland (Map Unit 14)

Photo credit: Jim Von Loh

Photo credit: Jim Von Loh

The Thinleaf Alder Shrubland (TAS, Map Unit 14) represents the *Alnus incana* / Mesic Graminoids (Thinleaf Alder / Mesic Graminoids) Shrubland Association.

This shrubland occurs in small patches and linear stands (25–75 m in length) in only two minor drainages tributary to Grape Creek. Both drainages are on the eastern portion of the monument above 8500 feet. The drainages differ in that the northernmost drainage and upper southernmost are low-gradient and support stands of sedge and willow, while the lower portion of the southernmost drainage is steep, narrow, and incising. The stand located in the incised drainage portion is showing stress (stunted growth, many dead stems/shrub bases, and many new root sprouts), while those of more mesic sites appear healthy.

TAS – Thinleaf Alder Shrubland (Map Unit 14) Continued

Photo Signatures

In the natural color aerial photography, TAS appears as medium to dark green, and in color infrared aerial photography it appears as medium red. In both types of photography it has a medium texture and a linear shape. The shrubs are 5-15 meters in height, depending on the stand health and site location, and have a foliar cover of 35-45%. The signature closely resembles the Mountain Willow Shrubland (MWS, Map Unit 21). Photo TAS-1 (natural color) shows a healthy site and was taken in September 1996. TAS-2 (color infrared) was taken in August 1983. Both photos are of the same location.

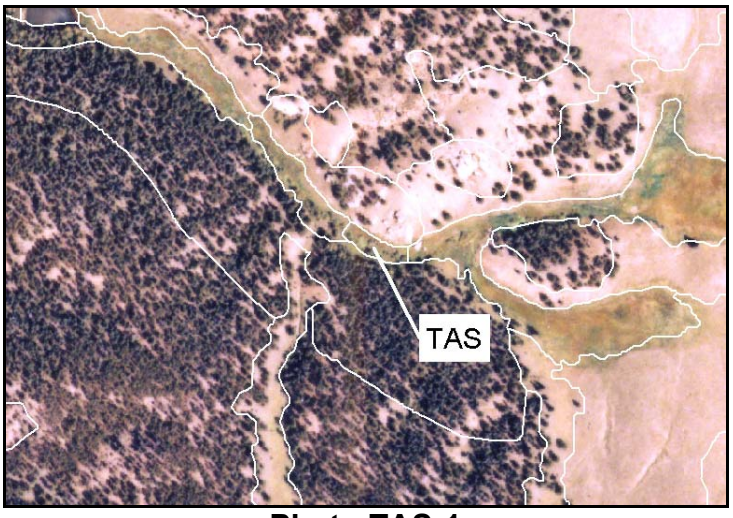
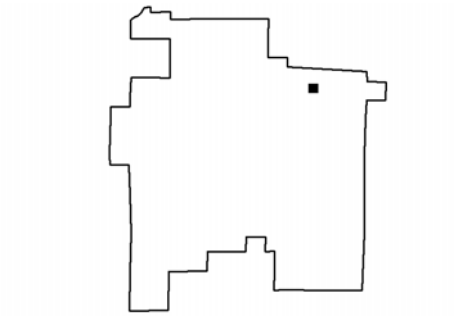


Photo TAS-1



Location of **TAS-1** within National Monument

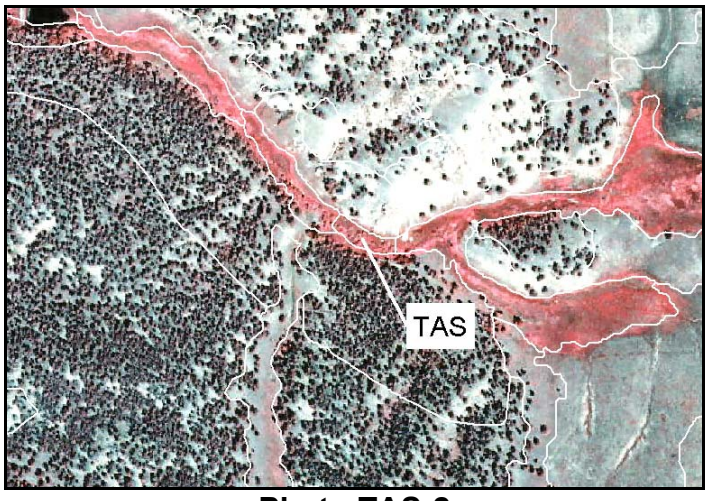
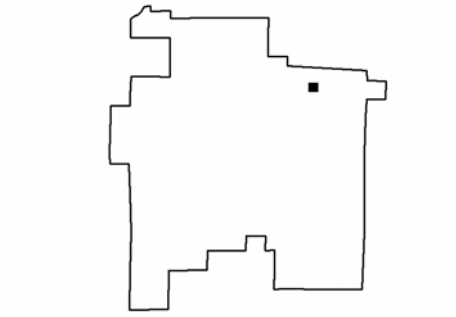


Photo TAS-2



Location of **TAS-2** within National Monument

TAS – Thinleaf Alder Shrubland (Map Unit 14) Continued

Area Report for TAS Map Unit
Number of Polygons: 3
Number of Hectares: 0.4
Number of Acres: 1.0
Average Size: 0.1 hectares, 0.3 acres

Accuracy Assessment Results for TAS Map Unit
The Thinleaf Alder Shrubland Map Unit was assessed at 100% for producers' accuracy and at 67% users' accuracy.